

CLAIMS:

1. A method of creating an immune response in a clone that is identical to the immune response of a founder animal comprising the steps of:
  - a) immunizing a founder mammal with an immunogen;
  - b) isolating a lymphocyte from said immunized founder animal and utilizing said isolated lymphocyte as a source of nuclear material to construct a clone; and
  - c) allowing said constructed clone to develop to maturity such that said immune response of said clone is identical to said immune response of said founder mammal.
2. The method of claim 1 wherein said animal is selected from the group consisting of mice, rabbits, sheep, horses, pigs and cows.
3. The method of claim 1 wherein said immune response of said clone results in production of antibodies upon exposure to said immunogen.
4. The method of claim 1 wherein said lymphocyte is selected from the group consisting of a peripheral blood lymphocyte, a lymph node lymphocyte, a splenocyte and a bone marrow cell.
5. The method of claim 4 wherein said lymphocyte is a B lymphocyte.
6. The method of claim 1 wherein said immunogen is selected from the group consisting of an antigen, an epitope, a hapten, and an immunogenic portion thereof.
7. The method of claim 1 wherein said lymphocyte of step (b) of said founder mammal is transferred to an enucleated ovum of a surrogate female, and the resulting embryo is transferred into the uterus of a surrogate female during estrous.